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HIKVISION DS-K1T671MF-L

Hikvision DS-K1T671MF-L Facial Access Control Terminal User Manual

Brand: HIKVISION
Model: DS-K1T671MF-L

1. Introduction

The Hikvision DS-K1T671MF-L is a professional facial access control terminal designed for secure and efficient entry management. This device integrates facial recognition, fingerprint scanning, and card reading capabilities, making it a versatile solution for various access control needs. It also functions as a video intercom system, enhancing communication and security at entry points.

This manual provides essential information for the proper installation, operation, and maintenance of your DS-K1T671MF-L terminal. Please read it thoroughly before using the device.



Figure 1: Front view of the Hikvision DS-K1T671MF-L Facial Access Control Terminal, showcasing its sleek design with a large touchscreen display and integrated fingerprint reader at the bottom.

2. Key Features

- **Advanced Facial Recognition:** Professional-grade facial access terminal with a 2-megapixel wide-angle lens.

- **Mask Detection:** Features alerts for mask usage. If a recognized face is not wearing a mask, the device can issue a voice reminder. Authentication can be configured to be denied or valid based on mask presence.
- **High Capacity:** Supports a maximum of 6,000 faces, 6,000 cards, and 5,000 fingerprints.
- **Fast and Accurate Recognition:** Facial recognition distance from 0.3 m to 3 m, with a duration of 0.2 seconds per user and an accuracy rate of 99%.
- **Integrated Display and Input:** 7-inch LCD touchscreen and built-in Mifare card reading module.
- **Two-Way Audio:** Enables two-way audio communication with client software, indoor stations, and master stations.
- **Network Connectivity:** Supports TCP/IP for seamless integration into existing networks.
- **Flexible Configuration:** Device configuration is available via a web client.
- **Protocol Support:** Compatible with ISAPI and ISUP5.0 protocols.
- **Time Attendance Function:** The device includes a time attendance function, which requires activation and configuration through the IVMS 4200 software. Contact Hikvision technical support for detailed activation instructions.

3. Setup and Installation

Proper installation is crucial for the optimal performance of the DS-K1T671MF-L terminal. It is recommended that installation be performed by qualified personnel.

3.1 Unpacking and Inspection

1. Carefully unpack the device and all accessories from the packaging.
2. Verify that all components listed in the packing list are present and undamaged.
3. If any items are missing or damaged, contact your vendor immediately.

3.2 Mounting the Device

The terminal is designed for wall mounting. Ensure the mounting surface is stable and can support the device's weight. Consider the optimal height for facial recognition, typically between 1.4m and 1.8m from the ground, to accommodate various user heights.

3.3 Wiring and Connections

Connect the power supply, network cable, and any external devices (e.g., door lock, exit button, alarm sensors) to the appropriate interfaces on the terminal. Refer to the wiring diagram provided with your device for specific connection points.



Figure 2: Detailed view of the rear panel of the Hikvision DS-K1T671MF-L, showing various connection ports and labels for power, network, RS-485, Wiegand, and lock output. A magnifying glass highlights the intricate circuitry and connection points.

3.4 Initial Configuration

1. Power on the device.
2. Access the device's web interface via a web browser using its default IP address (refer to the product documentation for the default IP).
3. Log in with the default administrator credentials.
4. Change the default password for security purposes.
5. Configure network settings, date and time, and user management.

4. Operating the Device

The DS-K1T671MF-L offers multiple authentication methods for access control.

4.1 User Enrollment

Before users can gain access, their credentials must be enrolled in the system. This can be done via the device's touchscreen interface or through the web client/IVMS 4200 software.

- **Facial Enrollment:** Guide the user to stand within the recommended distance (0.3m to 3m) from the device camera. Ensure good lighting and a neutral expression.
- **Fingerprint Enrollment:** Instruct the user to place their finger firmly on the fingerprint sensor, following on-screen prompts for multiple scans to ensure accuracy.
- **Card Enrollment:** Present the Mifare card to the card reader area on the device.



Figure 3: The Hikvision DS-K1T671MF-L terminal displaying a 'WELCOME' screen, indicating readiness for user interaction or access authentication.

4.2 Access Authentication

- **Facial Recognition:** Users approach the device, and their face is scanned. If recognized and authorized, access is granted.
- **Fingerprint Scan:** Users place their enrolled finger on the sensor.
- **Card Presentation:** Users present their enrolled Mifare card to the reader.
- **Combined Authentication:** The device can be configured for multi-factor authentication (e.g., face + card).

4.3 Mask Detection Functionality

The device can detect if a person is wearing a mask. Depending on the configuration, it can:

- **Issue a Voice Reminder:** If a mask is not detected, the device can prompt the user to wear one.
- **Deny Access:** For 'forced mask use' scenarios, access will be denied if a mask is not worn.
- **Allow Access with Reminder:** For 'mask reminder' scenarios, access is granted, but a voice reminder is still issued.

4.4 Video Intercom

Utilize the two-way audio feature for communication with visitors or other connected stations. This function is managed through the client software.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your access control terminal.

5.1 Cleaning

- **Screen and Lens:** Gently wipe the touchscreen and camera lens with a soft, lint-free cloth. For stubborn smudges, use a cloth lightly dampened with a non-abrasive, electronics-safe cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Fingerprint Sensor:** Keep the fingerprint sensor clean and free of dust or residue to ensure accurate readings.

5.2 Software Updates

Periodically check the Hikvision official website for firmware updates. Keeping the device's firmware up-to-date can improve performance, add new features, and enhance security.

5.3 Environmental Considerations

Ensure the device is operated within its specified environmental conditions (temperature, humidity) to prevent damage and ensure reliable operation.

6. Troubleshooting

This section addresses common issues you might encounter with the DS-K1T671MF-L terminal.

Problem	Possible Cause	Solution
Facial recognition failure	Incorrect distance, poor lighting, face partially obscured, user not enrolled.	Ensure user is within 0.3m-3m, improve lighting, ensure face is clear, verify user enrollment.
Fingerprint recognition failure	Dirty sensor, wet/damaged finger, user not enrolled.	Clean the sensor, ensure finger is dry and clean, verify user enrollment.
Card access not working	Card not enrolled, incorrect card type (not Mifare), card damaged.	Verify card enrollment, ensure it's a Mifare card, try another card.
Network connection issues	Loose cable, incorrect IP settings, network device failure.	Check network cable connection, verify IP address and subnet mask, restart network devices.
Time attendance function not active	Function not enabled or configured.	The time attendance function requires specific configuration via IVMS 4200 and may need activation by Hikvision technical support.
Device unresponsive	Power issue, software crash.	Check power supply, restart the device by disconnecting and reconnecting power.

7. Specifications

Technical specifications for the Hikvision DS-K1T671MF-L Facial Access Control Terminal.

Feature	Specification
System	Operating System: Linux
Display	Dimensions: 7 inches Type: LCD Operation Method: Touch

Feature	Specification
Video	Pixel: 2 MP Lens: 2 (likely referring to 2MP camera with dual lenses for enhanced recognition)
Audio	Quality: Noise suppression and echo cancellation
Network	Wired Network: 10 M/100 M/1000 M auto-adaptive
Interface	Network Interface: 1 RS-485: 1 Wiegand: 1 Lock Output: 1
Physical	Dimensions (L x W x H): 17.7 x 42.1 x 9.1 cm Weight: 1.72 kg Material: Metal
Special Features	Card Reader, Touch Sensitive Screen
Lock Type	Biometric

8. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or contact your authorized Hikvision dealer. Warranty terms and conditions may vary by region and vendor.

For technical assistance, product inquiries, or specific configuration guidance (e.g., enabling the time attendance function), please contact Hikvision technical support. You can find contact information on the official Hikvision website or through your local distributor.

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